Author’s response to reviews

Title: Fluid upstream shear stress of rabbit aortic stenosis inhibits neointimal hyperplasia by promoting endothelization after balloon injury

Authors:

Jinxue Liu (jiwen06@sohu.com)
Yucheng Peng (haichao26@21cn.com)
Junxing Lai (wenrui77@yeah.net)
Weidong Gao (Guangfa99@126.com)
Anjian Song (Yuxuan12@aliyun.com)
Gaoxing Zhang (aihong66@sina.cn)

Version: 1 Date: 11 Aug 2017

Author’s response to reviews:

Dear editor,

Many thanks for your kind suggestions to our paper and give us this opportunity to revise this paper. We are so happy to have this chance to publish our article in your journal.

Now we have improved our manuscript according to the suggestions of reviews. The point-to-point revisions are as follows:

1) The authors should report hemodynamic assessments to confirm changing of vascular SS after partial abdominal aortic constriction (e.g. Poiseuille formula). These measurements are necessary to confirm the model of changed SS.

Response: Assessments have been added, please see Table 1 and related texts

2) The authors may report measurements (in Figures 3-7) of a normal vessel.

Response: normal vessel images have been added in Figures 3-7
3) Error bars are lacking in Figures 5-7
Response: bars have been added, please see in related Figures.

4) The authors should extensively revised the p-value reported in the main manuscript.
Moreover some data reported are not correct (e.g. check line 183)
Response: P-value has been revised

5) Data regarding the neointimal hyperplasia in group IIID should be clarified and better
discussed
Response: Discussion was revised, please see texts marked in yellow.

6) Figure 8 and 9 are lacking. Data regarding Figure 8 cannot be evaluated by this reviewer
Response: Figures 8 and 9 have been added.

7) English form needs to be extensively revised and conclusion should be more focused on data
obtained
Response: English form was revised.